

ABSTRACT

An object of the present invention is to manufacture a
5 white light-emitting diode element by coating a blue
light-emitting diode chip with a coating of a synthetic resin
containing a fluorescent material.

The object is achieved by bonding an LED material plate
corresponding to a plurality of LED chips to an expansion sheet,
10 dividing the LED material plate into individual LED chips,
stretching the expansion sheet to widen the spacing between
the LED chips, forming a synthetic resin layer between the chips,
and dicing the synthetic resin layer to remove portions of the
synthetic resin layer between the LED chips while leaving part
15 of the synthetic resin layer on a side surface of each of the
LED chips.